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ATT
Patent

1752

Attorney Docket No. 029650-097

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Tadashi ENDO et al.

Group Art Unit: 1752

Application No.: 09/854,691 ✓

Examiner: Barbara L. Gilliam

Filing Date: May 15, 2001

Confirmation No.:

Title: SUPPORT FOR LITHOGRAPHIC PRINTING PLATE AND PRESENSITIZED PLATE

AMENDMENT/REPLY TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a reply for the above-identified patent application.

A Petition for Extension of Time is also enclosed.
 Terminal Disclaimer(s) and the \$55.00 (2814) \$110.00 (1814) fee per Disclaimer due under 37 C.F.R. § 1.20(d) are also enclosed.
 Also enclosed is/are Submission of Technical Information

Small entity status is hereby claimed.
 Applicant(s) requests continued examination under 37 C.F.R. § 1.114 and enclose the \$385.00 (2801) \$770.00 (1801) fee due under 37 C.F.R. § 1.17(e).
 Applicant(s) requests that any previously unentered after final amendments not be entered. Continued examination is requested based on the enclosed documents identified above.
 Applicant(s) previously submitted

on _____, for which continued examination is requested.

Applicant(s) requests suspension of action by the Office until at least _____, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.

A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also enclosed.

No additional claim fee is required.

An additional claim fee is required, and is calculated as shown below.

AMENDED CLAIMS					
	No. of Claims	Highest No. of Claims Previously Paid For	Extra Claims	Rate	Additional Fee
Total Claims		MINUS 20 =	0	x \$18.00 (1202) =	\$ 0.00
Independent Claims		MINUS 3 =	0	x \$86.00 (1201) =	\$ 0.00
If Amendment adds multiple dependent claims, add \$290.00 (1203)					
Total Claim Amendment Fee					\$ 0.00
<input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Claim Amendment Fee					\$ 0.00
TOTAL ADDITIONAL CLAIM FEE DUE FOR THIS AMENDMENT					\$ 0.00

A check in the amount of \$ 420.00 is enclosed for the fee due.

Charge _____ to Deposit Account No. 02-4800.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: March 1, 2004

By Robert G. Mukai
Robert G. Mukai
Registration No. 28,531



Patent
Attorney's Docket No. 029650-097

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of) **MAIL STOP AF**
Tadashi ENDO et al.)
Application No.: 09/854,691) Group Art Unit: 1752
Filed: May 15, 2001) Examiner: Barbara L. Gilliam
For: SUPPORT FOR LITHOGRAPHIC) Confirmation No.: 8113
PRINTING PLATE AND)
PRESENSITIZED PLATE)

SUBMISSION OF TECHNICAL INFORMATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the telephonic discussions with Examiner Gilliam on February 26 and March 1, 2004, applicants hereby provide the following explanation and information.

In the first telephonic discussion, the Examiner requested an explanation of the amendment of the term "a foiler" found on page 274, fourth line from the bottom to "spin coater" in the Amendment filed on May 7, 2003. The possibility of obtaining further information concerning the amended term from one of the priority documents was discussed and it was agreed that the client in Japan would be contacted. Pursuant to such contact, the client noted that the term "a foiler" was found on page 34 of Japanese priority application no. 2000-257559 (copy of the page with term underlined being provided herewith). The client explained that while there was no dictionary entry for this term, it

was known in the industry as a "spin coater," and provided an excerpt from a manufacturer's webpage as support. A copy of this excerpt with the term underlined is also provided. Such information is believed to support the understanding that the amendment to "spin coater" is proper in all respects.

The Examiner is respectfully invited to consider the explanation and provided information. Should the Examiner have any questions concerning this matter, the undersigned attorney may be contacted at the number provided below.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: Robert G. Mukai
Robert G. Mukai
Registration No. 28,531

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: March 1, 2004

白色のアルカリ可溶性高分子化合物（C）（分子量53,000）15gを得た。

【0089】

（5）実施例1で得られたアルミニウム支持体の表面に、下記の工程で接着層、感光層および保護層を形成して、乾燥後被覆量 $2\text{ g}/\text{m}^2$ の平版印刷版（レーザー露光可能なホトポリマー型PS板）を作成した（実施例7）。

①接着層の形成

接着層は、下記に示す方法で得られた接着化合物（D）をホイラーを用いて塗布し、 170°C で10分間乾燥して形成した。乾燥後の被覆量は $20\text{ mg}/\text{m}^2$ であった。

＜接着化合物（D）の製造＞

ビーカーにメチレンテトラエトキシシラン50g、酢酸1.1g、蒸留水7.7gおよびエタノール100gを取り、室温でかくはんして均一な溶媒とした。つぎに、この溶液をかくはん機と還流冷却器を付けた3つロフラスコに移し、オイルバスに浸して、かくはんしながら浴温を 80°C に保って7時間反応させ、接着化合物（D）のゾルを得た。

【0090】

②感光層の形成

中間層の上に下記組成の感光液を塗布し、 120°C で1分間乾燥して光重合系ホトポリマー型感光層を形成した。乾燥後の被覆量は $1.5\text{ g}/\text{m}^2$ であった。

感光液成分：ベンタエリスルトルテトラアクリレート1.5g、ポリ（アリルメタクリレート／メタクリル酸）共重合モル比80/20のコポリマー2.0g、1,2-（p-スチリルフェニル）-4,6-ビス（トリクロルメチル）-s-トリアジン0.2g、プロピレングリコールモノメチルエーテル20g、メチルエチルケトン20g、メガファックF177（大日本インキ化学工業社製フッ素系界面活性剤、20質量%のメチルイソブチルケトン溶剤）0.03g、油溶性染料（ピクトリアピュアブルーBOH）0.02g

③保護層の形成

感光層の上にポリビニルアルコール（ケン化度86.5～89モル%、重合度



Nippon Bunkaseiko Co., Ltd.

We
Speak

日本語
English
中國語

杰一

感光液塗布機(ホイラー)

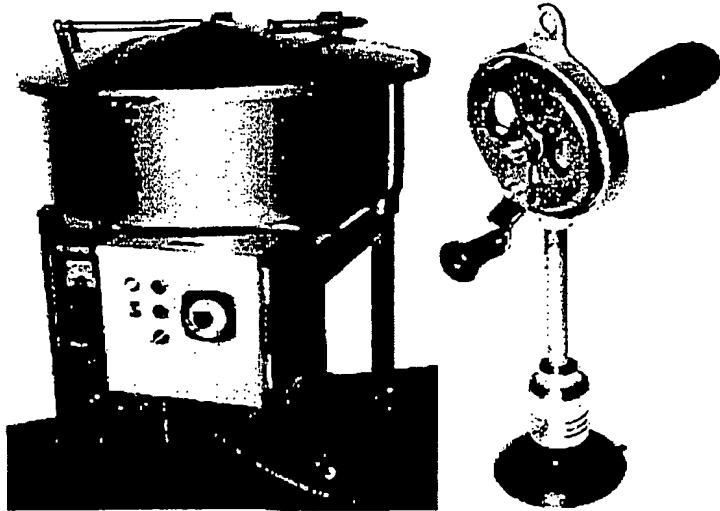
製品
感光液塗布機

金属版等に感光液を塗布するための回転式塗布機です。

コンタクト NPT 496 感光液塗布機

会社案内

印刷方式



[ホーム] [製品] [コンタクト] [会社案内] [印刷方式]

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Last updated by SJJ >> 99/04/05 11:52



Nippon Bunkaseiko Co., Ltd.

We Speak
日本語
English
中国語

ホーム Sensitizing solution coater (ホイラー)

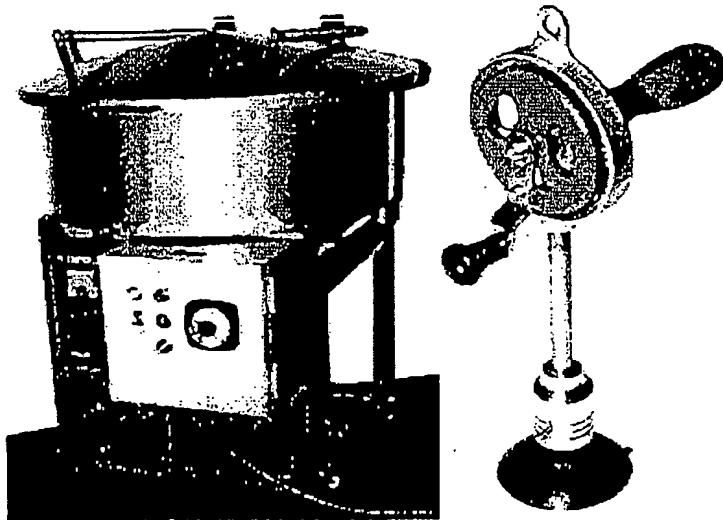
Product
Sensitizing
solution coater

This is a spin coater for coating sensitizing solution to a metal plate or the like.

コンタクト NPT 496 sensitizing solution coater

会社案内

印刷方式



[ホーム] [製品] [コンタクト] [会社案内] [印刷方式]

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